INTERNATIONAL SEARCH REPORT

International Application No
1._./EP2004/051602

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 E21B47/12 E21B E21B47/06 According to International Patent Classification (IPC) or to both national classification and IPC **B. FIELDS SEARCHED** Minimum documentation searched (classification system followed by classification symbols) IPC 7 E21B G02B Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the international search (name of data base and, where practical, search terms used) EPO-Internal, PAJ, WPI Data C. DOCUMENTS CONSIDERED TO BE RELEVANT Citation of document, with indication, where appropriate, of the relevant passages Relevant to claim No. Α WO 00/49273 A (SCHLUMBERGER CA LTD 1-20 ; SCHLUMBERGER SERVICES PETROL (FR); SCHLUMBERG) 24 August 2000 (2000-08-24) cited in the application page 6, paragraph 2 - page 7, paragraph 1; figure 6 EP 0 424 120 A (BAROID TECHNOLOGY INC) Α 1 - 2024 April 1991 (1991-04-24) cited in the application the whole document PATENT ABSTRACTS OF JAPAN Α 1-20 vol. 2000, no. 22, 9 March 2001 (2001-03-09) & JP 2001 124529 A (SUMITOMO ELECTRIC IND LTD), 11 May 2001 (2001-05-11) cited in the application abstract Further documents are listed in the continuation of box C. X Patent family members are listed in annex. Special categories of cited documents: *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the "A" document defining the general state of the art which is not considered to be of particular relevance invention 'E' earlier document but published on or after the international "X" document of particular relevance; the claimed invention filing date cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "Y" document of particular relevance: the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such docu-"O" document referring to an oral disclosure, use, exhibition or ments, such combination being obvious to a person skilled in the art. *P* document published prior to the international filing date but later than the priority date claimed "&" document member of the same patent family Date of the actual completion of the international search Date of mailing of the international search report 30/09/2004 22 September 2004 Name and mailing address of the ISA Authorized officer European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Morrish, S Fax: (+31-70) 340-3016

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